

WHAT IS CLAIMED IS:

1 1. A method for executing a statement to manipulate data stored in a data store
2 connected to a computer, the method comprising:
3 receiving the statement for a transaction, wherein the statement operates on one or
4 more objects;
5 generating a private catalog for recording information about the objects; and
6 using the private catalog during the transaction to access the objects.

1 2. The method of claim 1, wherein the private catalog comprises a private copy
2 of an original catalog, wherein the original catalog comprises one or more original individual
3 catalog tables.

1 3. The method of claim 1, wherein the objects are private objects.

1 4. The method of claim 1, wherein the objects are non-private objects.

1 5. The method of claim 1, wherein the objects are user-defined objects.

1 6. The method of claim 1, wherein the objects are system objects.

1 7. The method of claim 1, wherein the private catalog comprises a temporary
2 private catalog.

1 8. The method of claim 7, wherein the temporary private catalog is deleted from
2 the data store after a user-defined amount of time.

1 9. The method of claim 7, wherein the temporary private catalog is deleted from
2 the data store after an amount of time required by a system.

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1 10. The method of claim 7, wherein the temporary private catalog is deleted from
2 the data store after a predetermined amount of time.

1 11. The method of claim 7, wherein the temporary private catalog is deleted from
2 the data store after the transaction no longer requires object data.

1 12. The method of claim 7, wherein the temporary private catalog is deleted from
2 the data store after the transaction executes.

1 13. The method of claim 1, wherein the private catalog is used exclusively by
2 the transaction.

1 14. The method of claim 1, wherein the private catalog records only information
2 about tables accessed by the transaction.

1 15. The method of claim 1, further comprising accessing an additional object.

1 16. The method of claim 15, wherein the private catalog records information
2 about the additional object.

1 17. The method of claim 1, further comprising populating the private catalog
2 with an identification attribute.

1 18. The method of claim 17, wherein the identification attribute comprises a
2 description of the object used by the transaction.

1 19. The method of claim 17, wherein the identification attribute comprises a
2 definition of the object used by the transaction.

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1 20. The method of claim 1, wherein the statement comprises a data definition
2 language statement.

1 21. An apparatus for executing a statement to manipulate data, comprising:
2 a computer having a data store connected thereto, wherein the data store stores data;
3 and
4 one or more computer programs, performed by the computer, for receiving the
5 statement for a transaction, wherein the statement operates on one or more objects;
6 generating a private catalog for recording information about the objects; and using the private
7 catalog during the transaction to access the objects.

1 22. The apparatus of claim 21, wherein the private catalog comprises a private
2 copy of an original catalog, wherein the original catalog comprises one or more original
3 individual catalog tables.

1 23. The apparatus of claim 21, wherein the objects are private objects.

1 24. The apparatus of claim 21, wherein the objects are non-private objects.

1 25. The apparatus of claim 21, wherein the objects are user-defined objects.

1 26. The apparatus of claim 21, wherein the objects are system objects.

1 27. The apparatus of claim 21, wherein the private catalog comprises a temporary
2 private catalog.

1 28. The apparatus of claim 27, wherein the temporary private catalog is deleted
2 from the data store after a user-defined amount of time.

1 29. The apparatus of claim 27, wherein the temporary private catalog is deleted
2 from the data store after an amount of time required by a system.

1 30. The apparatus of claim 27, wherein the temporary private catalog is deleted
2 from the data store after a predetermined amount of time.

1 31. The apparatus of claim 27, wherein the temporary private catalog is deleted
2 from the data store after the transaction no longer requires object data.

1 32. The apparatus of claim 27, wherein the temporary private catalog is deleted
2 from the data store after the transaction executes.

1 33. The apparatus of claim 21, wherein the private catalog is used exclusively by
2 the transaction.

1 34. The apparatus of claim 21, wherein the private catalog records only
2 information about tables accessed by the transaction.

1 35. The apparatus of claim 21, further comprising accessing an additional object.

1 36. The apparatus of claim 35, wherein the private catalog records information
2 about the additional object.

1 37. The apparatus of claim 21, further comprising populating the private catalog
2 with an identification attribute.

1 38. The apparatus of claim 37, wherein the identification attribute comprises a
2 description of the object used by the transaction.

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1 39. The apparatus of claim 37, wherein the identification attribute comprises a
2 definition of the object used by the transaction.

1 40. The apparatus of claim 21, wherein the statement comprises a data definition
2 language statement.

1 41. An article of manufacture comprising a computer program carrier readable by
2 a computer and embodying one or more instructions executable by the computer to perform
3 method steps for executing a statement to manipulate data, comprising:
4 receiving the statement for a transaction, wherein the statement operates on one or
5 more objects;
6 generating a private catalog for recording information about the objects; and
7 using the private catalog during the transaction to access the objects.

1 42. The article of manufacture of claim 41, wherein the private catalog comprises
2 a private copy of an original catalog, wherein the original catalog comprises one or more
3 original individual catalog tables.

1 43. The article of manufacture of claim 41, wherein the objects are private objects.

1 44. The article of manufacture of claim 41, wherein the objects are non-private
2 objects.

1 45. The article of manufacture of claim 41, wherein the objects are user-defined
2 objects.

1 46. The article of manufacture of claim 41, wherein the objects are system objects.

1 47. The article of manufacture of claim 41, wherein the private catalog comprises
2 a temporary private catalog.

1 48. The article of manufacture of claim 47, wherein the temporary private catalog
2 is deleted from the data store after a user-defined amount of time.

1 49. The article of manufacture of claim 47, wherein the temporary private catalog
2 is deleted from the data store after an amount of time required by a system.

1 50. The article of manufacture of claim 47, wherein the temporary private catalog
2 is deleted from the data store after a predetermined amount of time.

1 51. The article of manufacture of claim 47, wherein the temporary private catalog
2 is deleted from the data store after the transaction no longer requires object data.

1 52. The article of manufacture of claim 47, wherein the temporary private catalog
2 is deleted from the data store after the transaction executes.

1 53. The article of manufacture of claim 41, wherein the private catalog is used
2 exclusively by the transaction.

1 54. The article of manufacture of claim 41, wherein the private catalog records
2 only information about tables accessed by the transaction.

1 55. The article of manufacture of claim 41, further comprising accessing an
2 additional object.

1 56. The article of manufacture of claim 55, wherein the private catalog records
2 information about the additional object.

1 57. The article of manufacture of claim 41, further comprising populating the
2 private catalog with an identification attribute.

1 58. The article of manufacture of claim 57, wherein the identification attribute
2 comprises a description of the object used by the transaction.

1 59. The article of manufacture of claim 57, wherein the identification attribute
2 comprises a definition of the object used by the transaction.

1 60. The article of manufacture of claim 41, wherein the statement comprises a
2 data definition language statement.

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